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OM protein - protein search, using sw model

Run on: March 5, 2002, 12:26:16 ; Search time 12.73 Seconds  
(without alignments)  
655,830 Million cell updates/sec

Title: US-09-376-430-2  
Perfect score: 1995  
Sequence: 1 MGRVLVLMCAAVFLIGWMA.....DVTIGGFTFVMDRSYVAL 371

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA.\*  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/1aa/PCITUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/1aa/Backfilest1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed.  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	205	10.3	369	2	US-08-424-224-2
2	205	10.3	369	5	PCT-US94-02891-69
3	195	9.8	347	1	US-08-052-205-7
4	195	9.8	347	1	US-08-595-974-7
5	195	9.8	369	1	US-08-052-205-4
6	195	9.8	369	1	US-08-595-974-4
7	176	8.8	538	3	US-09-040-005-2
8	176	8.8	538	4	US-09-522-217-115
9	162.5	8.1	427	4	US-08-969-125-9
10	159.5	8.0	230	1	US-08-052-205-11
11	159.5	8.0	230	1	US-08-595-974-11
12	159.5	8.0	252	1	US-08-052-205-9
13	159.5	8.0	252	1	US-08-595-974-9
14	155	7.8	383	1	US-08-609-572-2
15	155	7.8	383	4	US-08-841-751-2
16	155	7.8	383	4	US-08-846-340-2
17	155	7.8	383	4	US-08-846-344-2
18	144.5	7.2	508	2	US-08-850-293-5
19	144.5	7.2	522	1	US-08-164-614A-10
20	144.5	7.2	522	2	US-08-456-489B-10
21	135	6.8	459	6	5194375-2
22	131.5	6.6	468	1	US-08-164-614A-7
23	131.5	6.6	468	1	US-08-456-489B-7
24	131.5	6.6	536	2	US-08-164-614A-12
25	131.5	6.6	897	1	US-08-456-489B-12
26	131.5	6.3	897	1	US-07-960-389-2
27	126.5	6.3	551	4	US-09-194-145-2

28	126.5	6.3	551	6	5198359-2	Patent No. 5198359
29	126.5	6.3	551	6	5449756-2	Patent No. 5449756
30	121	6.1	379	1	US-08-164-614A-8	Sequence 8, Appli
31	121	6.1	379	2	US-08-456-489B-8	Sequence 8, Appli
32	119.5	6.0	380	1	US-08-609-572-4	Sequence 4, Appli
33	119.5	6.0	380	4	US-08-841-751-4	Sequence 4, Appli
34	119.5	6.0	380	4	US-08-846-340-4	Sequence 4, Appli
35	119.5	6.0	380	4	US-08-846-344-4	Sequence 4, Appli
36	118	5.9	258	1	US-08-336-708A-10	Sequence 10, Appli
37	113	5.7	325	2	US-08-683-743-4	Sequence 4, Appli
38	109	5.5	620	2	US-09-000-145-1	Sequence 1, Appli
39	108	5.4	382	2	US-08-078-311-3	Sequence 3, Appli
40	108	5.4	382	2	US-08-460-402-3	Sequence 2, Appli
41	104.5	5.2	599	4	US-09-000-145-2	Sequence 3, Appli
42	101.5	5.1	626	1	US-08-184-327A-2	Sequence 2, Appli
43	101.5	5.1	626	5	PCT-US95-00670-2	Sequence 2, Appli
44	101.5	5.1	633	1	US-08-250-859-17	Sequence 17, Appli
45	101.5	5.1	633	1	US-08-490-803-17	Sequence 17, Appli

## ALIGNMENTS

RESULT 1  
US-08-424-224-2  
; Sequence 2, Application US/08424224  
; Patent No. 5912173  
GENERAL INFORMATION:  
APPLICANT: LEONARD, WARREN J.  
TITLE OF INVENTION: MURINE IL-2R CDNA AND  
TITLE OF INVENTION: USES THEREOF  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVE.  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORD PERFECT # 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/424,224  
FILING DATE:  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/121,435  
FILING DATE: 14-SEPT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: WILLIAM S. FEILDER  
REGISTRATION NUMBER: 26,728  
REFERENCE/DOCKET NUMBER: 2026-4061US1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-758-4800  
TELEFAX: 212-751-6849  
TELEX: 421792  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 369  
TYPE: AMINO ACID  
TOPOLOGY: UNKNOWN  
MOLECULE TYPE: PROTEIN  
DESCRIPTION: NO  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: MURINE  
INDIVIDUAL ISOLATE: IL-2R  
US-08-424-224-2

Query Match 10.3%; Score 205; DB 2; Length 369;  
Best Local Similarity 26.5%; Pred. No. 2e-13;  
Matches 75; Conservative 47; Mismatches 103; Indels 58; Gaps 16;

QY 31 QIQLIYFNLQVTVWNSKYSR--TNLFPHRF--NGEADVQCTNLLQGHNSGCLD 87  
DB 59 EVQCFEVEFIEVWNTNNSSEPOATNLTLHRYKYSNDNTFOECSHYLFSEKITSQOI- 117  
QY 88 AEQDDI-LY-----FSIRNGTHPVYTSRMMVYLLK-----PSSPKHVRS----- 128  
DB 118 --QKEDIQIYQTFVVOQDPQK-----QRAVQKLNQNLVIRAPENLTLNLSNSESOL 171  
QY 129 --WHQDAVTVCSDSLSTYGDLYEYQYRSPDTEMOSQOEN--TCNVTTIEGLDAEKYSFW 185  
DB 172 LRWKSRIKERC-----LQYLVQYRNSNRSMTELVNHPRFSLPSVDELKRYTFRV 224  
QY 186 RVKAMEDVYGPDPYPSQWSEVTCWQGEIRDACAEPTPPKPKL--SKFLISSLIATLLM 243  
DB 225 RSR-YNPLCGSSQOWSKSQPVHWSHTVE-----NPSLFALENVLIVGTGMLI 274  
QY 244 VSLILSLMKLMRWKFLIPSPDPKSTIFPGLEIHQGNFQEM 286  
DB 275 ITLIFVYCW-LER-----MPPIPKNL-EDLVTEYQGNFSAM 310

## RESULT 2

PCT-US94-02891-69  
Sequence 69, Application PC/TUS9402891

GENERAL INFORMATION:  
APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS  
APPLICANT: REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN  
APPLICANT: SERVICES  
APPLICANT: OFFICE OF TECHNOLOGY TRANSFER, NATIONAL  
APPLICANT: INSTITUTES OF HEALTH, BOX 007, BETHESDA, MARYLAND 20892 USA  
TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND TREATMENT OF  
NUMBER OF SEQUENCES: 69  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORGAN & FINNEGAN  
STREET: 345 PARK AVE.  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: FLOPPY DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORD PERFECT # 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US94/02891  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/031,143  
FILING DATE: 12-MAR-1993  
APPLICATION NUMBER: 08/121,435  
FILING DATE: 14-SEPT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: WILLIAM S. FEILER  
REGISTRATION NUMBER: 26,728  
REFERENCE/DOCKET NUMBER: 2026-4061  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-758-4800  
TELEFAX: 212-751-6849  
TELEX: 421792  
INFORMATION FOR SEQ ID NO: 69:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 369  
TYPE: AMINO ACID  
MOLECULE TYPE: UNKNOWN  
DESCRIPTION: PROTEIN

HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: MORINE  
INDIVIDUAL ISOLATE: IL-2R  
PCT-US94-02891-69

Query Match 10.3%; Score 205; DB 5; Length 369;  
Best Local Similarity 26.5%; Pred. No. 2e-13;  
Matches 75; Conservative 47; Mismatches 103; Indels 58; Gaps 16;

QY 31 QIQLIYFNLQVTVWNSKYSR--TNLFPHRF--NGEADVQCTNLLQGHNSGCLD 87  
DB 59 EVQCFEVEFIEVWNTNNSSEPOATNLTLHRYKYSNDNTFOECSHYLFSEKITSQOI- 117  
QY 88 AEQDDI-LY-----FSIRNGTHPVYTSRMMVYLLK-----PSSPKHVRS----- 128  
DB 118 --QKEDIQIYQTFVVOQDPQK-----QRAVQKLNQNLVIRAPENLTLNLSNSESOL 171  
QY 129 --WHQDAVTVCSDSLSTYGDLYEYQYRSPDTEMOSQOEN--TCNVTTIEGLDAEKYSFW 185  
DB 172 LRWKSRIKERC-----LQYLVQYRNSNRSMTELVNHPRFSLPSVDELKRYTFRV 224  
QY 186 RVKAMEDVYGPDPYPSQWSEVTCWQGEIRDACAEPTPPKPKL--SKFLISSLIATLLM 243  
DB 225 RSR-YNPLCGSSQOWSKSQPVHWSHTVE-----NPSLFALENVLIVGTGMLI 274  
QY 244 VSLILSLMKLMRWKFLIPSPDPKSTIFPGLEIHQGNFQEM 286  
DB 275 ITLIFVYCW-LER-----MPPIPKNL-EDLVTEYQGNFSAM 310

## RESULT 3

US-08-052-205-7  
Sequence 7, Application US/08052205  
Patent No. 5510259

GENERAL INFORMATION:  
APPLICANT: SUGAMURA, KAZUO  
APPLICANT: TAKESHITA, TOSHIKAZU  
APPLICANT: ASANO, HIRONOBU  
APPLICANT: NAKAMURA, MASATAKA  
APPLICANT: SHIMAMURA, TOSHIRO  
APPLICANT: SUZUKI, MANABU  
APPLICANT: HAMURO, JUNJI  
TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
ADDRESS: P.C.  
STREET: 1755 S. Jefferson Davis Highway, Suite 400  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Releasee #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/052,205  
FILING DATE: 19930422  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 104947/1992  
FILING DATE: 23-APR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Oblon, No. 5510259man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 10-615-0X  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220

APPLICATION NUMBER: US/08/052,205  
FILING DATE: 19930422  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 104947/1992

FILING DATE: 23-APR-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Oblon, No. 5510259man F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 10-615-0X  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 413-3000  
 TELEFAX: (703) 413-2220  
 TELE: 248855 OPAT UR  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 369 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-052-205-4

Query Match 9.8%; Score 195; DB 1; Length 369;  
 Best Local Similarity 25.1%; Pred. No. 2.4e-12;  
 Matches 71; Conservative 56; Mismatches 98; Indels 58; Gaps 15;

QY 31 QIQTFFNLETVQVYTNWNSKYSR-TNLTFFHYRF-NGD-EAYDOCTNYLLDGGHTSGCLLD 87  
 DB 59 EVQCFVFNVEYMNCTWNSSEPOPTNLTLYWYKNSDNDKQKSHYLFSEETISGCOL- 117  
 QY 88 AEORDILYFSIRNGTHPVFTASRMWYLYLKPSSPK-----HVRFSWHDQATV- 136  
 DB 118 -QKKEIHLX-----QTFVYQLODPRRPRQATOMKLNLTVPMPAPENLTTH 163  
 QY 137 ----TCSDSLSDYGD-----LLYEVQYRSPDTEW-OSKQENTCNVTIEGLDAKCYSEFW 185  
 DB 164 KLSQSOLELWNNRFLNHCLEHLVQYRTDWDHMTQSVYDRHKFSLSVSDGQKRYTFYV 223  
 QY 186 RYKAMEDVYGPPTYPSDMSEVTCWQGEIRDACAEPTTPPKPKL--SKFILLSSLAIIILM 243  
 DB 224 RSR-FNPLCGSAOHWSSESHPIHW-----GSNTSKENPFLFALNAVIVSGSMGLI 273  
 QY 244 VSLLLSLWKLMVRKKFLIPSVDPKSIFFGLFEIHQGNFQEW 286  
 DB 274 ISLICYFW-LERT-----MPRIPLTKNLDELVTETH-GNFSAM 310

RESULT 6  
 US-08-595-974-4  
 Sequence 4, Application US/08595974  
 Patent No. 5705608  
 GENERAL INFORMATION:  
 APPLICANT: SUGAMURA, KAZUO  
 APPLICANT: TAKESHTA, TOSHIKAZU  
 APPLICANT: ASAO, HIROMOBU  
 APPLICANT: NAKAMURA, MASATARA  
 APPLICANT: SHIMAMURA, TOSHIRO  
 APPLICANT: SUZUKI, MANABU  
 APPLICANT: HAMURO, JUNJI  
 TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE  
 NUMBER OF SEQUENCES: 21  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
 STREET: 1755 S. Jefferson Davis Highway, Suite 400  
 CITY: Arlington  
 STATE: Virginia  
 COUNTRY: U.S.A.  
 ZIP: 22202  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/595,974  
 FILING DATE: 06-FEB-1996

CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/052,205  
 FILING DATE: 22-APR-1993  
 APPLICATION NUMBER: JP 104947/1992  
 FILING DATE: 23-APR-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Oblon, No. 5705608man F.  
 REGISTRATION NUMBER: 24,618  
 REFERENCE/DOCKET NUMBER: 10-615-0X  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 413-3000  
 TELEFAX: (703) 413-2220  
 TELE: 248855 OPAT UR  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 369 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-595-974-4

Query Match 9.8%; Score 195; DB 1; Length 369;  
 Best Local Similarity 25.1%; Pred. No. 2.4e-12;  
 Matches 71; Conservative 56; Mismatches 98; Indels 58; Gaps 15;

QY 31 QIQTFFNLETVQVYTNWNSKYSR-TNLTFFHYRF-NGD-EAYDOCTNYLLDGGHTSGCLLD 87  
 DB 59 EVQCFVFNVEYMNCTWNSSEPOPTNLTLYWYKNSDNDKQKSHYLFSEETISGCOL- 117  
 QY 88 AEORDILYFSIRNGTHPVFTASRMWYLYLKPSSPK-----HVRFSWHDQATV- 136  
 DB 118 -QKKEIHLX-----QTFVYQLODPRRPRQATOMKLNLTVPMPAPENLTTH 163  
 QY 137 ----TCSDSLSDYGD-----LLYEVQYRSPDTEW-OSKQENTCNVTIEGLDAKCYSEFW 185  
 DB 164 KLSQSOLELWNNRFLNHCLEHLVQYRTDWDHMTQSVYDRHKFSLSVSDGQKRYTFYV 223  
 QY 186 RYKAMEDVYGPPTYPSDMSEVTCWQGEIRDACAEPTTPPKPKL--SKFILLSSLAIIILM 243  
 DB 224 RSR-FNPLCGSAOHWSSESHPIHW-----GSNTSKENPFLFALNAVIVSGSMGLI 273  
 QY 244 VSLLLSLWKLMVRKKFLIPSVDPKSIFFGLFEIHQGNFQEW 286  
 DB 274 ISLICYFW-LERT-----MPRIPLTKNLDELVTETH-GNFSAM 310

RESULT 7  
 US-09-040-005-2  
 Sequence 2, Application US/09040005  
 Patent No. 6057128  
 GENERAL INFORMATION:  
 APPLICANT: Donaldson, Debra  
 APPLICANT: Unger, Michelle  
 TITLE OF INVENTION: MU-1 RECEPTOR  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genetics Institute, Inc.  
 STREET: 87 Cambridgepark Drive  
 CITY: Cambridge  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02140  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/040,005  
 FILING DATE: 06-FEB-1996  
 CLASSIFICATION:

ATTORNEY/AGENT INFO:

NAME: WILSON, MARY J.  
REGISTRATION NUMBER: 32,955  
REFERENCE/DOCKET NUMBER: 1430-179  
TELEPHONE: (703) 816-4000  
TELEFAX: (703) 816-4100  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 427 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
US-08-969-125-9

Query Match 8.1%; Score 162.5; DB 4; Length 427;  
Best Local Similarity 21.4%; Pred. No. 8.6e-09;  
Matches 70; Conservative 53; Mismatches 121; Indels 83; Gaps 12;

QY 31 QIQTIFNLETVQYTMASKYSR--TNLTFHFRNGDEAYDOCTNYLLQEGHSGCLDA 88  
Db 131 ELQCIHNLHLSYKCSWLPGRMTSPDNTLTLYWHRSLEKIQCEH-IFREGQYRGCSFDL 189  
QY 89 EQRDILYFSIRNGTHVFTASRMVYLLKPS-----SPKVR-FSMHDAVT 135  
Db 190 TKVDSF-----EOSHVOIWKDNAGKIKPSFNIVPLTSKRPDPPIKMLSFHNDLY 244  
QY 136 V-----TCSDSLSDGLLYEVQY-RSPFDT-----EMSKOENTCNV 170  
Db 245 VQWNPONFISRC-----LFEVEVNNSTQETHNFFVQAEKCENEFEERNVENSFCF 297  
QY 171 TIEGLDAEKYSFVWRYKAMEDVYGPDTYPSDMSEVTCWQGEIRDAQAEPTPEPKPLS 230  
Db 298 MVEGVLDPTLNTVIRKTKNLCYEDDKLMSNSQ-----EKSICKKRNST 343  
QY 231 KFLISSLALLMYSLLLSLMKLMRYKFLIPSVDPKSLFPGLF-----E 277  
Db 344 LYTMLLIVPIYAGALIVLLYLKRLKIIIFPPIPDGKIFEMFGDQNDDTLHWKKYD 403  
QY 278 IHQGNFOEWITDQNVNVAHLHMGAGAQ 304  
Db 404 IYKQKE-----ETDSVYLIENTLKRAQ 427

RESULT 10  
US-08-052-205-11  
Sequence 11, Application US/08052205  
Patent No. 5510259  
GENERAL INFORMATION:  
APPLICANT: SUGAMURA, KAZUO  
APPLICANT: TAKESHITA, TOSHIKAZU  
APPLICANT: ASAO, HIRONOBU  
APPLICANT: NAKAMURA, MASATAKA  
APPLICANT: SHIMAMURA, TOSHIO  
APPLICANT: SUZUKI, MANABU  
APPLICANT: HAMURO, JUNJI  
TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
ADDRESS: P.C.  
STREET: 1755 S. Jefferson Davis Highway, Suite 400  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/052,205  
FILING DATE: 19930422  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 104947/1992  
FILING DATE: 23-APR-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Oblon, No. 5510259man F.  
REGISTRATION NUMBER: 24,618  
REFERENCE/DOCKET NUMBER: 10-615-0X  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248855 OPAT UR  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 230 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-052-205-11

Query Match 8.0%; Score 159.5; DB 1; Length 230;  
Best Local Similarity 25.0%; Pred. No. 6.8e-09;  
Matches 51; Conservative 42; Mismatches 70; Indels 41; Gaps 10;

QY 31 QIQTIFNLETVQYTMASKYSR--TNLTFHFR-NGD-EAYDOCTNYLLQEGHSGCLLD 87  
Db 37 EVQGFVWEYMNCTNNSSEPOPTNLTLHYKNSDNDKYQKSHYLFSEITSGCL- 95  
QY 88 AEQRDILYFSIRNGTHVFTASRMVYLLKPSPK-----HVRFSMHDAVT- 136  
Db 96 -QKKEIHLY-----QTFVQLODPREPRRQATQMLKQNLVITWAPENLTLH 141  
QY 137 ---TCSDSLSDGLLYEVQYRSFPDTEW-QSKOENTCNVTLTGLDAEKYSFVW 185  
Db 142 KLSQSLQLANNNFNLNCHLEHLYQRTDMDHMTQEGSVDRHRSFLSPVQGRYFRV 201  
QY 186 RYKAMEDVYGPDTYPSDMSEVTCW 209  
Db 202 RSR-FNPLCGSAOHMSEWSHPHW 224

RESULT 11  
US-08-595-974-11  
Sequence 11, Application US/08595974  
Patent No. 5705608  
GENERAL INFORMATION:  
APPLICANT: SUGAMURA, KAZUO  
APPLICANT: TAKESHITA, TOSHIKAZU  
APPLICANT: ASAO, HIRONOBU  
APPLICANT: NAKAMURA, MASATAKA  
APPLICANT: SHIMAMURA, TOSHIO  
APPLICANT: SUZUKI, MANABU  
APPLICANT: HAMURO, JUNJI  
TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,  
ADDRESS: P.C.  
STREET: 1755 S. Jefferson Davis Highway, Suite 400  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA: US/08/595,974

;; FILING DATE: 06-FEB-1996  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/052,205  
;; FILING DATE: 22-APR-1993  
;; APPLICATION NUMBER: JP 104947/1992  
;; FILING DATE: 23-APR-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: OBLON, No. 5705608man F.  
;; REGISTRATION NUMBER: 24,618  
;; REFERENCE/DOCKET NUMBER: 10-615-0X  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (703) 413-3000  
;; TELEFAX: (703) 413-2220  
;; TELEX: 248855 OPAT UR  
;; INFORMATION FOR SEQ ID NO: 11:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 230 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
US-08-595-974-11

Query Match 8.0%; Score 159.5; DB 1; Length 230;  
Best Local Similarity 25.0%; Pred. No. 6.8e-09;  
Matches 51; Conservative 42; Mismatches 70; Indels 41; Gaps 10;

QY 31 QIQLIFNLETVQVTVNASKYSR-TNLTFHYRF-NGD-EAYDQCTNVLDEGHTSGCLD 87  
DB 37 EVQCFEYFVNYMNCVTNWSSEPOPTNLTLLHYWKNSDNDVKVCKSHLTFSEETSGCL- 95  
QY 88 AEQDDILFYSIRNGTHPVFTASRMWVYVYLPKPSPK-----HVRSWHDQAVTV- 136  
DB 96 -QKKEIHLX-----QTFVYQDQDPRPRQATQMLKLNIVIPAPENLTLLH 141  
QY 137 ----TCSDSLSTG-----LLYEVQYRSPDTEW-OSKQDNTCVNTEGLDAEKYSPFW 185  
DB 142 KLESEQLFLNMNRFNLNHCLEHLVQYRTDMDHWTQSVQVYRHRKFSLPVDGQKRYTFRV 201  
QY 186 RYKAMEDVYGPDPYPSDMSEVTCW 209  
DB 202 RSR-FNPICGSAQHWSMESHPIHW 224

RESULT 12  
US-08-052-205-9  
; Sequence 9, Application US/08052205  
; Patent No. 5510259  
; GENERAL INFORMATION:  
; APPLICANT: SUGAMURA, KAZUO  
; APPLICANT: TAKESHITA, TOSHIKAZU  
; APPLICANT: ASAO, HIRONOBU  
; APPLICANT: NAKAMURA, MASATAKA  
; APPLICANT: SHIMAMURA, TOSHIRO  
; APPLICANT: SUZUKI, MANABU  
; APPLICANT: HAMURO, JUNJI  
; TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: US/08/052,205  
;; FILING DATE: 19930422  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: JP 104947/1992  
;; FILING DATE: 23-APR-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: OBLON, No. 5510259man F.  
;; REGISTRATION NUMBER: 24,618  
;; REFERENCE/DOCKET NUMBER: 10-615-0X  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (703) 413-3000  
;; TELEFAX: (703) 413-2220  
;; TELEX: 248855 OPAT UR  
;; INFORMATION FOR SEQ ID NO: 9:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 252 amino acids  
;; TYPE: AMINO ACID  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
US-08-052-205-9

Query Match 8.0%; Score 159.5; DB 1; Length 252;  
Best Local Similarity 25.0%; Pred. No. 7.8e-09;  
Matches 51; Conservative 42; Mismatches 70; Indels 41; Gaps 10;

QY 31 QIQLIFNLETVQVTVNASKYSR-TNLTFHYRF-NGD-EAYDQCTNVLDEGHTSGCLD 87  
DB 59 EVQCFEYFVNYMNCVTNWSSEPOPTNLTLLHYWKNSDNDVKVCKSHLTFSEETSGCL- 117  
QY 88 AEQDDILFYSIRNGTHPVFTASRMWVYVYLPKPSPK-----HVRSWHDQAVTV- 136  
DB 118 -QKKEIHLX-----QTFVYQDQDPRPRQATQMLKLNIVIPAPENLTLLH 163  
QY 137 ----TCSDSLSTG-----LLYEVQYRSPDTEW-OSKQDNTCVNTEGLDAEKYSPFW 185  
DB 164 KLESEQLFLNMNRFNLNHCLEHLVQYRTDMDHWTQSVQVYRHRKFSLPVDGQKRYTFRV 223  
QY 186 RYKAMEDVYGPDPYPSDMSEVTCW 209  
DB 224 RSR-FNPICGSAQHWSMESHPIHW 246

RESULT 13  
US-08-595-974-9  
; Sequence 9, Application US/08595974  
; Patent No. 5705608  
; GENERAL INFORMATION:  
; APPLICANT: SUGAMURA, KAZUO  
; APPLICANT: TAKESHITA, TOSHIKAZU  
; APPLICANT: ASAO, HIRONOBU  
; APPLICANT: NAKAMURA, MASATAKA  
; APPLICANT: SHIMAMURA, TOSHIRO  
; APPLICANT: SUZUKI, MANABU  
; APPLICANT: HAMURO, JUNJI  
; TITLE OF INVENTION: HUMAN IL-2 RECEPTOR GAMMA CHAIN MOLECULE  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT,  
; ADDRESSEE: P.C.  
; STREET: 1755 S. Jefferson Davis Highway, Suite 400  
; CITY: Arlington  
; STATE: Virginia  
; COUNTRY: U.S.A.  
; ZIP: 22202  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA: US/08/595,974

; APPLICATION NUMBER: US/08/609,572  
 ; FILING DATE:

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/609,572

```



FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Brown, Scott A.  
 REGISTRATION NUMBER: 32,724  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 498-8224  
 TELEFAX: (617) 876-5851  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 383 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-841-751-2

Query Match 7.88; Score 155; DB 4; Length 383;  
 Best local Similarity 25.3%; Pred. No. 4.5e-08;  
 Matches 67; Conservative 34; Mismatches 106; Indels 58; Gaps 15;

QY 18 WMALGOGGAAG-----VOIQIIFYENLETVQVTWNAK--YSRTNLEFHFNGDEAYD 69  
 Db 117 WIEASYGISDEGSLSETKIQDMKCIYNNQYLVCSMKPGKTYVSDNTYTFEWEGLDHAL 176  
 QY 70 QCTNVLLOEGHTSGCL--LDAEQRDILYFSIRNGT--HPVFTASRMVYYL----KP 119  
 Db 177 QCADYLOHDEKNVCGCKLSNLDSDYKD--FVICVNGSSKLEPI--RSSYTVQLONIYKP 232  
 QY 120 SSPK-----HVRFSWHQDA--VTVTCSDLSYGDLLEYVOYRSPPTFEMQSKQENT 167  
 Db 233 LPPEFLHISVENSIDIRMKWSTPGGPIPPRC-----YTYEIVIREDDISWESATDKN 284  
 QY 168 CNVTIEGDAKCYCFWYRVRAKEDVY--GPDYTPSDWSFVTCWQGEIRDACAFETPTPK 226  
 Db 285 DMKLKRRANESDLCFVRCVK--NIYCADDGIWSEWSEECW-----EGYTGPD 332  
 QY 227 PKLSKFLISSLAILLWVSLLLSL 251  
 Db 333 ---SKIFIIVPCLPFIPLLILLCL 354

Search completed: March 5, 2002, 12:47:07  
 Job time: 1251 sec



GenCore version 4.5  
Copyright (c) 1993 - 2000 CompuGen Ltd.

## OM protein - protein search, using sw model

Run on: March 5, 2002, 12:45:11 ; Search time 12.54 Seconds

(without alignments)  
665.767 Million cell updates/sec

Title: US-09-376-430-2

Perfect score: 371

Sequence: 1 MGRVLVLMGAAVFLGGWMA.....DVTIGGTFVMDRSYVAL 371

Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 212252 seqs, 22503292 residues

Word size : 0

Total number of hits satisfying chosen parameters: 35098

Minimum DB seq length: 0

Maximum DB seq length: 7

Post-processing: Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/PTUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/2/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
perfect greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result	No.	Score	Query	Match	Length	DB	ID	Description
1	5	1.3	5	1	US-08-086-328C-160	Sequence 160, Appl		
2	5	1.3	5	3	US-08-812-586-33	Sequence 33, Appl		
3	5	1.3	6	2	US-09-127-574-9	Sequence 9, Appl		
4	5	1.3	6	4	US-09-135-021-76	Sequence 76, Appl		
5	5	1.3	7	1	US-08-350-884-19	Sequence 19, Appl		
6	5	1.3	7	1	US-08-709-173-19	Sequence 19, Appl		
7	5	1.3	7	1	US-08-594-447-7	Sequence 7, Appl		
8	5	1.3	7	1	US-08-541-964-6	Sequence 6, Appl		
9	5	1.3	7	2	US-08-709-177-19	Sequence 19, Appl		
10	5	1.3	7	2	US-08-665-647-21	Sequence 21, Appl		
11	4	1.1	4	1	US-08-470-837-13	Sequence 13, Appl		
12	4	1.1	4	2	US-08-817-279-2	Sequence 2, Appl		
13	4	1.1	4	4	US-08-435-568A-17	Sequence 17, Appl		
14	4	1.1	4	4	US-08-895-590-40	Sequence 40, Appl		
15	4	1.1	4	4	US-09-191-906A-4	Sequence 4, Appl		
16	4	1.1	4	4	US-09-171-654-54	Sequence 54, Appl		
17	4	1.1	5	1	US-07-690-284A-4	Sequence 4, Appl		
18	4	1.1	5	1	US-08-257-782-8	Sequence 8, Appl		
19	4	1.1	5	1	US-08-014-979-67	Sequence 67, Appl		
20	4	1.1	5	1	US-08-255-272-10	Sequence 10, Appl		
21	4	1.1	5	1	US-08-358-160-209	Sequence 209, Appl		
22	4	1.1	5	1	US-07-789-184-141	Sequence 141, Appl		
23	4	1.1	5	1	US-08-460-343B-36	Sequence 36, Appl		
24	4	1.1	5	1	US-08-460-343B-50	Sequence 50, Appl		
25	4	1.1	5	1	US-08-475-263-141	Sequence 141, Appl		
26	4	1.1	5	1	US-08-577-845-8	Sequence 8, Appl		
27	4	1.1	5	1	US-08-398-028B-36	Sequence 36, Appl		

28	4	1.1	5	1	US-08-398-028B-50	Sequence 50, Appl
29	4	1.1	5	1	US-08-485-886-141	Sequence 141, App
30	4	1.1	5	1	US-08-281-195A-19	Sequence 19, Appl
31	4	1.1	5	1	US-08-281-195A-29	Sequence 29, Appl
32	4	1.1	5	2	US-08-684-687-7	Sequence 7, Appl
33	4	1.1	5	2	US-08-504-265B-36	Sequence 36, Appl
34	4	1.1	5	2	US-08-504-265B-50	Sequence 50, Appl
35	4	1.1	5	2	US-08-079-144-8	Sequence 8, Appl
36	4	1.1	5	2	US-08-477-362-141	Sequence 141, App
37	4	1.1	5	2	US-08-477-134-141	Sequence 141, App
38	4	1.1	5	2	US-09-059-845-3	Sequence 3, Appl
39	4	1.1	5	2	US-08-564-063-17	Sequence 17, Appl
40	4	1.1	5	2	US-08-310-912A-62	Sequence 62, Appl
41	4	1.1	5	3	US-09-012-126-3	Sequence 3, Appl
42	4	1.1	5	3	US-08-473-489A-141	Sequence 141, App
43	4	1.1	5	3	US-08-335-8657-11	Sequence 11, Appl
44	4	1.1	5	3	US-08-485-695-141	Sequence 141, App
45	4	1.1	5	3	US-08-981-122-63	Sequence 63, Appl

## ALIGNMENTS

RESULT 1  
US-08-086-328C-160  
; Sequence 160, Application US/08086328C  
; Patent No. 5807980  
; GENERAL INFORMATION:  
; APPLICANT: Ignace Lasters, Marc De Maeyer  
; APPLICANT: and William Charles Ripka  
; TITLE OF INVENTION: BOVINE PANCREATIC TRYPSIN INHIBITOR  
; TITLE OF INVENTION: DERIVED INHIBITORS OF FACTOR VIIA-TISSUE  
; NUMBER OF SEQUENCES: 294  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Lyon & Lyon  
; STREET: 611 West Sixth Street  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: USA  
; ZIP: 90017  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44mb storage  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: IBM MS-DOS (Version 5.0)  
; SOFTWARE: Wordperfect (Version 5.1)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/086,328C  
; FILING DATE: July 1, 1993  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; PRIOR APPLICATION DATA: including application  
; PRIOR APPLICATION DATA: described below:  
; APPLICATION NUMBER: 07/952,801  
; FILING DATE: September 25, 1992  
; APPLICATION NUMBER: 07/913,232  
; FILING DATE: July 13, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Warburg, Richard J.  
; REGISTRATION NUMBER: 32,327  
; REFERENCE/DOCKET NUMBER: 202/211  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (213) 489-1600  
; TELEFAX: (213) 955-0440  
; TELEX: 67-3510  
; INFORMATION FOR SEQ ID NO: 160:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 5  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-086-328C-160

Query Match 1.3%; Score 5; DB 1; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 GGAAE 28  
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Db 1 GGAAE 5

RESULT 2  
US-08-812-586-33  
; Sequence 33, Application US/08812586  
; Patent No. 6048704

; GENERAL INFORMATION:  
; APPLICANT: Martin David Nilson  
; TITLE OF INVENTION: PURIFIED AND RECOMBINANT ANTIGENIC  
; TITLE OF INVENTION: PROTEINS ASSOCIATED WITH ABDOMINAL AORTIC ANEURISM (AAA)  
; TITLE OF INVENTION: DISEASE, AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF  
; NUMBER OF SEQUENCES: 61  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/812,586

FILING DATE: 07-MAR-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: White, John P.

REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 0575/53862-A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 278-0400

TELEFAX: (212) 391-0525

INFORMATION FOR SEQ ID NO: 33:

SEQUENCE CHARACTERISTICS:

LENGTH: 5 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-812-586-33

Query Match 1.3%; Score 5; DB 3; Length 5;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLLS 250  
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Db 1 LLLLS 5

RESULT 3  
US-09-127-574-9

; Sequence 9, Application US/09127574

; Patent No. 5985836

; GENERAL INFORMATION:

; APPLICANT: Bastek, Patrick

; APPLICANT: Lang, John M.

; APPLICANT: Baumbach, George A.

; APPLICANT: Caribonell, Ruben G.

; TITLE OF INVENTION: Alpha-1 Protease Inhibitor Binding Peptides

FILE REFERENCE: MSB-7248  
; CURRENT APPLICATION NUMBER: US/09/127,574  
; CURRENT FILING DATE: 1998-07-31  
; NUMBER OF SEQ ID NOS: 62  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 9

LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
US-09-127-574-9

Query Match 1.3%; Score 5; DB 2; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 252 WKLMR 256  
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Db 1 WKLMR 5

RESULT 4  
US-09-135-021-76  
; Sequence 76, Application US/09135021A  
; Patent No. 6150104

; GENERAL INFORMATION:

; APPLICANT: Splawski, Igor

; TITLE OF INVENTION: A HOMOZYGOUS MUTATION IN KVLQ1 WHICH CAUSES JERVELL

; TITLE OF INVENTION: AND LANE-NIELSEN SYNDROME

; FILE REFERENCE: 2323-128

; CURRENT APPLICATION NUMBER: US/09/135,021A

; CURRENT FILING DATE: 1998-08-17

; EARLIER APPLICATION NUMBER: 08/874,655

; EARLIER FILING DATE: 1997-06-13

; EARLIER APPLICATION NUMBER: 60/094,477

; EARLIER FILING DATE: 1998-07-29

; NUMBER OF SEQ ID NOS: 80

; SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 76

LENGTH: 6

TYPE: PRT

ORGANISM: Homo sapiens

US-09-135-021-76

Query Match 1.3%; Score 5; DB 4; Length 6;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 LMGAA 11  
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Db 1 LMGAA 5

RESULT 5  
US-08-350-884-19  
; Sequence 19, Application US/08350884  
; Patent No. 5585258

; GENERAL INFORMATION:

; APPLICANT: HOUGHTON, MICHAEL

; APPLICANT: CHOO, OUI LIM

; APPLICANT: KIM, GEORGE

; TITLE OF INVENTION: HEPATITIS C VIRUS PROTEASE

; NUMBER OF SEQUENCES: 86

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: MORRISON & FOERSTER

; STREET: 755 Page Mill Road

; CITY: Palo Alto

; STATE: California

; COUNTRY: USA

ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/350,884  
FILING DATE: 06-DEC-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/680,296  
FILING DATE: 04-APR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: CIOTTEI, THOMAS E.  
REGISTRATION NUMBER: 21,013  
REFERENCE/DOCKET NUMBER: 22300-20100.20  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 813-5600  
TELEFAX: (415) 494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-350-884-19

Query Match 1.3%; Score 5; DB 1; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 337 SGGSL 341  
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Db 3 SGGSL 7

RESULT 6  
US-08-709-173-19  
Sequence 19, Application US/08709173  
Patent No. 5712145  
GENERAL INFORMATION:  
APPLICANT: HOUGHTON, MICHAEL  
APPLICANT: CHOO, QUI LIM  
APPLICANT: KOO, GEORGE  
TITLE OF INVENTION: HEPATITIS C VIRUS PROTEASE  
NUMBER OF SEQUENCES: 86  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 755 Page Mill Road  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/709,173  
FILING DATE: 06-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/680,296  
FILING DATE: 04-APR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: CIOTTEI, THOMAS E.  
REGISTRATION NUMBER: 21,013  
REFERENCE/DOCKET NUMBER: 22300-20100.20  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 813-5600  
TELEFAX: (415) 494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-709-173-19

Query Match 1.3%; Score 5; DB 1; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 337 SGGSL 341  
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Db 3 SGGSL 7

RESULT 7  
US-08-594-447-7  
Sequence 7, Application US/08594447  
Patent No. 5776716  
GENERAL INFORMATION:  
APPLICANT: Ron, Dorit  
APPLICANT: Napolitano, Eugene W.  
APPLICANT: Voronova, Anna F.  
TITLE OF INVENTION: METHODS FOR IDENTIFYING AGENTS WHICH  
BLOCK THE INTERACTION OF FYN WITH PKC-THETA, AND USES  
THEREOF  
NUMBER OF SEQUENCES: 75  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 2000 Pennsylvania Avenue, NW - Ste. 5500  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20006-1888  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/594,447  
FILING DATE: 31-JAN-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Murashige, Kate H.  
REGISTRATION NUMBER: 29,959  
REFERENCE/DOCKET NUMBER: 22550-20025.24  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 887-1500  
TELEFAX: (202) 822-0168  
TELEX: 90-4030 MRSNFOERSM  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..7  
OTHER INFORMATION: /label= beta-C2-3  
US-08-594-447-7

Query Match 1.3%; Score 5; DB 1; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 266 PDPKS 270  
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Db 2 PDPKS 6

RESULT 8  
US-08-541-964-6  
Sequence 6, Application US/08541964  
Patent No. 5783405  
GENERAL INFORMATION:  
APPLICANT: Mochly-Rosen, Darla  
APPLICANT: Ron, Dorit  
APPLICANT: Kavar, Lawrence M.  
APPLICANT: Napolitano, Eugene W.  
TITLE OF INVENTION: A RAPID SCREENING METHOD FOR EFFECTORS  
TITLE OF INVENTION: OF SIGNAL TRANSDUCTION  
NUMBER OF SEQUENCES: 74  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 2000 PENNSYLVANIA AVENUE, NW-STE. 5500  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: USA  
ZIP: 20006-1888  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/541,964  
FILING DATE: 10-OCT-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Murashige, Kate H.  
REGISTRATION NUMBER: 29,959  
REFERENCE/DOCKET NUMBER: 22550-20025.23  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 887-1500  
TELEFAX: (202) 822-0168  
TELEX: 90-4030 MRSNFOERSH  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..7  
OTHER INFORMATION: /label= beta-C2-3  
US-08-541-964-6

Query Match 1.3%; Score 5; DB 1; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 266 PDPKS 270  
|||||  
Db 2 PDPKS 6

RESULT 9  
US-08-709-177-19  
Sequence 19, Application US/08709177  
Patent No. 5885799  
GENERAL INFORMATION:  
APPLICANT: HOUGHTON, MICHAEL  
APPLICANT: CHOO, QUI LIM

APPLICANT: KUO, GEORGE  
TITLE OF INVENTION: HEPATITIS C VIRUS PROTEASE  
NUMBER OF SEQUENCES: 86  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 755 Page Mill Road  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/709,177  
FILING DATE: 06-SEP-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/680,296  
FILING DATE: 04-APR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: CIOTTE, THOMAS E.  
REGISTRATION NUMBER: 21,013  
REFERENCE/DOCKET NUMBER: 22300-20100.20  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 813-5600  
TELEFAX: (415) 494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 19:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-709-177-19

Query Match 1.3%; Score 5; DB 2; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 337 SGGSL 341  
|||||  
Db 3 SGGSL 7

RESULT 10  
US-08-665-647-21  
Sequence 21, Application US/08665647  
Patent No. 5935803  
GENERAL INFORMATION:  
APPLICANT: Dasquez, Nicki J.  
APPLICANT: Ron, Dorit  
APPLICANT: Voronova, Anna F.  
APPLICANT: Napolitano, Eugene W.  
TITLE OF INVENTION: METHODS TO IDENTIFY IMMUNOMODULATORS  
TITLE OF INVENTION: USING COGNATE INTERACTION OF PKC-THETA  
NUMBER OF SEQUENCES: 89  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 2000 Pennsylvania Avenue, NW - Ste. 5500  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20006-1888  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/665,647  
FILING DATE: 18-JUN-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Murashige, Kate H.  
REGISTRATION NUMBER: 29,959  
REFERENCE/DOCKET NUMBER: 22550-20025.25  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 887-1500  
TELEFAX: (202) 822-0168  
TELEX: 90-4030 MRSNFORSMH  
INFORMATION FOR SEQ. ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Peptide  
LOCATION: 1..7  
OTHER INFORMATION: /label= beta-C2-3  
US-08-665-647-21

Query Match 1.3%; Score 5; DB 2; Length 7;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 266 PPKS 270  
DB 2 PPKS 6

RESULT 11  
US-08-470-837-13  
; Sequence 13, Application US/08470837  
; Patent No. 5800811  
; GENERAL INFORMATION:  
; APPLICANT: Nimel, Marcel E.  
; APPLICANT: Hall, Frederick L.  
; APPLICANT: Tuan, Tai-Lan  
; APPLICANT: Wu, Lingtao  
; APPLICANT: Cheung, David T.  
; TITLE OF INVENTION: Transforming Growth Factor B Fusion  
; TITLE OF INVENTION: and  
; NUMBER OF SEQUENCES: 34  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merchant & Gould  
; STREET: 11150 Santa Monica Boulevard, Suite 400  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: USA  
; ZIP: 90025-3395  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/470,837  
; FILING DATE:  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Sharp, Janice A.  
; REGISTRATION NUMBER: 34,051  
; REFERENCE/DOCKET NUMBER: 30630-10S01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 310-445-1140  
; TELEFAX: 310-445-9031  
; INFORMATION FOR SEQ. ID NO: 13:  
; SEQUENCE CHARACTERISTICS:

LENGTH: 4 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-470-837-13

Query Match 1.1%; Score 4; DB 1; Length 4;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 172 IEGL 175  
DB 1 IEGL 4

RESULT 12  
US-08-817-279-2  
; Sequence 2, Application US/08817279  
; Patent No. 5874530  
; GENERAL INFORMATION:  
; APPLICANT: SCHERKENBECK, JURGEN; PLANT, ANDREW; JESCHKE,  
; APPLICANT: PETER; HARDER, ACHIM; MENCKE, NORBERT  
; TITLE OF INVENTION: CYCLIC DESEIPEPTIDE SULFONYLATION,  
; TITLE OF INVENTION: SULFENYLATION AND PHOSPHORYLATION  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sprung Kramer Schaefer & Briscoe  
; STREET: 660 White Plains Road  
; CITY: Tarrytown  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10591-5144  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4 Mb storage  
; OPERATING SYSTEM: Apple Macintosh 6500  
; SOFTWARE: Wordperfect 3.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/817,279  
; FILING DATE: 10-APR-1997  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP95/03926  
; FILING DATE: 05-OCT-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: DE 44 37 198.5  
; FILING DATE: 18-OCT-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kurt G. Briscoe  
; REGISTRATION NUMBER: 33,141  
; REFERENCE/DOCKET NUMBER: BAYER 9831-KGB  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (914) 332-1700  
; TELEFAX: (914) 332-1844  
; INFORMATION FOR SEQ. ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4 amino acids  
; TYPE: amino acid  
; TOPOLOGY: circular  
US-08-817-279-2

Query Match 1.1%; Score 4; DB 2; Length 4;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 246 LLLL 249  
DB 1 LLLL 4

RESULT 13  
US-08-435-568A-17  
; Sequence 17, Application US/08435568A  
; Patent No. 6143298  
; GENERAL INFORMATION:  
; APPLICANT: Greve, Jeffrey M.  
; APPLICANT: McClelland, Alan  
; APPLICANT: Davis, Gary  
; TITLE OF INVENTION: Soluble Truncated Forms of ICAM-1  
; FILE REFERENCE: MCI 208.4C2D2  
; CURRENT APPLICATION NUMBER: US/08/435,568A  
; CURRENT FILING DATE: 1995-05-05  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 17  
; LENGTH: 4  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-08-435-568A-17

Query Match 1.1%; Score 4; DB 4; Length 4;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 305 ESGP 308  
DB 1 ESGP 4

RESULT 14  
US-08-895-590-40  
; Sequence 40, Application US/08895590  
; Patent No. 6207410  
; GENERAL INFORMATION:  
; APPLICANT: Hall, Linda M.  
; APPLICANT: Ren, Dejian  
; APPLICANT: Zheng, Wei  
; APPLICANT: Dubald, Manuel Marcel Paul  
; TITLE OF INVENTION: Genes Encoding an Insect Calcium Channel  
; NUMBER OF SEQUENCES: 101  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS, LLP  
; STREET: 699 Prince Street  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22314-3187  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/895,590  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/374,888  
; FILING DATE: 19-JAN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: McGowan, Malcolm M.  
; REGISTRATION NUMBER: 39,300  
; REFERENCE/DOCKET NUMBER: 022650-263  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 703-836-6620  
; TELEFAX: 703-836-2021  
; INFORMATION FOR SEQ ID NO: 40:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear

; MOLECULE TYPE: protein  
US-08-895-590-40

Query Match 1.1%; Score 4; DB 4; Length 4;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 222 PTPP 225  
DB 1 PTPP 4

RESULT 15  
US-09-191-906A-4  
; Sequence 4, Application US/09191906A  
; Patent No. 6207643  
; GENERAL INFORMATION:  
; APPLICANT: Nachman, Ronald J  
; APPLICANT: Garside, Christopher S  
; APPLICANT: Tobe, Stephen S  
; TITLE OF INVENTION: Mimetic Insect Allatostatin Analogs for Insect Control  
; FILE REFERENCE: P.C. 0047.99-Ronald J. Nachman et al.  
; CURRENT APPLICATION NUMBER: US/09/191,906A  
; CURRENT FILING DATE: 1998-11-13  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 4  
; TYPE: PRT  
; ORGANISM: Diptoptera punctata  
US-09-191-906A-4

Query Match 1.1%; Score 4; DB 4; Length 4;  
Best Local Similarity 100.0%; Pred. No. 1.6e+05;  
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 338 GGSL 341  
DB 1 GGSL 4

Search completed: March 5, 2002, 12:49:37  
Job time: 266 sec